L Number	Hits	S arch T xt	DB	Tim stamp
1	1	6016133.pn.	USPAT;	2002/07/12
	-	•	US-PGPUB	10:55
2	1	6016133.pn. and puls	USPAT;	2002/07/12
	•	•	US-PGPUB	10:32
3	1	6016133.pn. and (pulse near3 width)	USPAT;	2002/07/12
	-		US-PGPUB	10:32
4	1	6407727.pn.	USPAT;	2002/07/12
	•	•	US-PGPUB	10:55
5	1	6407727.pn. and pulse	USPAT;	2002/07/12
}	•	• • •	US-PGPUB	10:55
6	1	(6407727.pn. and pulse) and modulat\$3	USPAT;	2002/07/12
	-		US-PGPUB	11:53
7	4572	(liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
	. +	width)	US-PGPUB	11:54
8	373	((liquid near2 crystal) and (pulse near2	USPAT:	2002/07/12
		width)) and (drive near2 pulse)	US-PGPUB	11:55
•	202	(((liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
-		width)) and (drive near2 pulse)) and clock	US-PGPUB	11:55
10	150	((((liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
-		width)) and (drive near2 pulse)) and clock)	US-PGPUB	11:55
		and synch\$8		11.55
11	109	(((((liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
		width)) and (drive near2 pulse)) and clock)	US-PGPUB	11:56
		and synch\$8) and (drive near4 circuit)		
12	73	((((((liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
		width)) and (drive near2 pulse)) and clock)	US-PGPUB	11:56
		and synch\$8) and (drive near4 circuit)) and		
		modulat\$3		
13	65	(((((((liquid near2 crystal) and (pulse near2	USPAT;	2002/07/12
		width)) and (drive near2 pulse)) and clock)	US-PGPUB	11:56
		and synch\$8) and (drive near4 circuit)) and		11.50
		modulat\$3) and light		
14	13	((((((((((((((((((((((((((((((((((((((USPAT;	2002/07/12
- •		width)) and (drive near2 pulse)) and clock)	US-PGPUB	12:24
		and synch\$8) and (drive near4 circuit)) and	JUSTOPUB	12.27
		modulat\$3) and light) and ((drive near4		
		circuit) with clock)		
15	1	5854879.pn.	USPAT;	2002/07/12
	•	o to to rough	US-PGPUB	12:24
16	1	5854879.pn. and pulse \	USPAT;	2002/07/12
	•	and to the state of the state o	US-PGPUB	12:24
17	1	5854879.pn. and pulse	USPAT;	2002/07/12
	•	220-101 bill alla haise	US-PGPUB	12:24
18	1	(5854879.pn. and pulse) and (drive with	USPAT;	2002/07/12
	•	circuit)	US-PGPUB	12:25
19	1	((5854879.pn. and pulse) and (drive with		-
		circuit)) and clock	USPAT;	2002/07/12
	0.1	11	US-PGPUB	12:25
20	1 1	5854879.pn.	USPAT;	2002/07/12

•	55286	light near3 modulat\$3	USPAT;	2002/07/05
			US-PGPUB;	16:10
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	9854	(light n ar3 modulat\$3) and (liquid adj	USPAT;	2002/07/05
	333	crystal)	US-PGPUB;	16:13
		oryotal,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	779	((light near3 modulat\$3) and (liquid adj	USPAT;	2002/07/05
•	119	crystal)) and (pulse with (drive or width))	US-PGPUB;	16:14
		Crystal)) and (pulse with (drive or width))	EPO; JPO;	10.14
			DERWENT;	
			IBM_TDB	
	450	(//:ht2dulot\$2) and /liquid adi	USPAT;	2002/07/05
-	150	((light near3 modulat\$3) and (liquid adj	US-PGPUB;	16:14
		crystal)) and (pulse with drive) and (pulse	1	10.14
		with width)	EPO; JPO; DERWENT;	
			1	
			IBM_TDB	0000/07/05
•	19	((light near3 modulat\$3) and (liquid adj	USPAT;	2002/07/05
		crystal)) and (drive adj pulse) and (pulse adj	US-PGPUB;	16:15
		width)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	882	(359/245,252,253,264,322).ccls.	USPAT;	2002/07/09
	*		US-PGPUB	17:02
•	1373	(345/89,94,690,691,207).ccls.	USPAT;	2002/07/09
			US-PGPUB	17:02
•	2250	((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/09
		((345/89,94,690,691,207).ccls.)	US-PGPUB	17:03
-	1225	(((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/09
		((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	17:03
		adj crystal) or lc)		
-	44	((((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/09
		((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	17:04
	İ	adj crystal) or ic)) and (drive adj pulse\$2)		
•	19	(((((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/09
		((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	17:04
		adj crystal) or Ic)) and (drive adj pulse\$2))		
		and modulat\$		
_	16	((((((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/10
-	16	(((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	15:58
		adj crystal) or Ic)) and (drive adj pulse\$2))		13.33
		and modulat\$) and (pulse near5 width)		
		, · · · · · · · · · · · · · · · · · · ·	USPAT;	2002/07/10
-	4	(((((((359/245,252,253,264,322).ccls.)		16:19
		((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	10:19
		adj crystal) or Ic)) and (drive adj pulse\$2))		
		and m dulat\$) and (puls near5 width)) and		
		(light with modulat\$3)		

•	12	(((((((359/245,252,253,264,322).ccls.)	USPAT;	2002/07/10
		((345/89,94,690,691,207).ccls.)) and ((liquid	US-PGPUB	16:19
		adj crystal) r lc)) and (driv adj puls \$2))]	
		and m dulat\$) and (puls n ar5 width)) and		
		(light)		
•	5	(US-6407727-\$ or US-6377234-\$ or	USPAT	2002/07/11
		US-5815132-\$ or US-5583530-\$ or		09:35
		US-5519411-\$).did.		
•	5	((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
	1	US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:35
	1	US-5519411-\$).did.) and (liquid adj crystal)		
-	5	((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:35
		US-5519411-\$).did.) and (liquid adj crystal)		
-	4	(((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:35
		US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)		
•	4	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:36
		US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)) and (pulse width)		
-	4	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:36
		US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)) and (pulse adj width)		
-	4	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:36
		US-5519411-\$).did.) and (liquid adj crystal))		J
		and (drive adj pulse)) and (pulse adj width))		1 11
		and (modulat\$3 with (pulse adj width))		
•	3	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:39
		US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)) and (pulse adj width))		
		and (modulat\$3 with (pulse adj width))) and		
		light		
•	3	((((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:48
		US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)) and (pulse adj width))	}	
		and (modulat\$3 with (pulse adj width))) and		
		light) and (light with transmi\$6)		
•	3	(((((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
	1	US-5815132-\$ or US-5583530-\$ or	US-PGPUB	09:41
		U\$-5519411-\$).did.) and (liquid adj crystal))		1 1/2
		and (drive adj pulse)) and (pulse adj width))		
		and (modulat\$3 with (pulse adj width))) and		
		light) and (light with transmi\$6)) and (driv		
		with puls)		

_				
•	79410	(light or optic\$2) near3 modulat\$3	USPAT;	2002/07/11
			US-PGPUB;	09:49
			EPO; JPO;	
	3		DERWENT;	
			IBM_TDB	
-	12481	((light or optic\$2) n ar3 m dulat\$3) and	USPAT;	2002/07/11
		(liquid adj crystal)	US-PGPUB;	09:50
	Į.		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	53	(((light or optic\$2) near3 modulat\$3) and	USPAT;	2002/07/11
		(liquid adj crystal)) and (drive adj pulse)	US-PGPUB;	09:50
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	21	((((light or optic\$2) near3 modulat\$3) and	USPAT;	2002/07/11
		(liquid adj crystal)) and (drive adj pulse)) and	US-PGPUB;	09:51
		((pulse adj width) with modulat\$3)	EPO; JPO;	
	Ì		DERWENT;	
	4=		IBM_TDB	0000/07/44
-	15	(((((light or optic\$2) near3 modulat\$3) and	USPAT;	2002/07/11
		(liquid adj crystal)) and (drive adj pulse)) and	US-PGPUB;	09:52
		((pulse adj width) with modulat\$3)) and	EPO; JPO;	;
		(light with transmi\$6)	DERWENT;	
	40		IBM_TDB	0000/05/44
-	13	((((((light or optic\$2) near3 modulat\$3) and	USPAT;	2002/07/11
-		(liquid adj crystal)) and (drive adj pulse)) and	US-PGPUB;	09:52
		((pulse adj width) with modulat\$3)) and	EPO; JPO;	
	ļ	(light with transmi\$6)) not	DERWENT;	
		((((((((US-6407727-\$ or US-6377234-\$ or	IBM_TDB	
	}	US-5815132-\$ or US-5583530-\$ or US-5519411-\$).did.) and (liquid adj crystal))		
		and (drive adj pulse)) and (pulse adj width))		
		and (modulat\$3 with (pulse adj width))) and		
		light) and (light with transmi\$6)) and (drive		
		with pulse))		
_	114	(345/691).ccls.	USPAT;	2002/07/11
		\	US-PGPUB	13:18
•	60	((345/691).ccls.) and (liquid adj crystal)	USPAT;	2002/07/11
		(12 -3-22 -)-22-27 min (indian ma) and and	US-PGPUB	10:16
•	47	(((345/691).ccls.) and (liquid adj crystal)) and	USPAT;	2002/07/11
		pulse	US-PGPUB	10:16
	34	((((345/691).ccls.) and (liquid adj crystal))	USPAT;	2002/07/11
		and pulse) and light	US-PGPUB	10:26
_	14	(((((345/691).ccls.) and (liquid adj crystal))	USPAT;	2002/07/11
		and pulse) and light) and ((liquid adj crystal)	US-PGPUB	11:14
		same pulse)		
			1	
•	10	((((((345/691).ccls.) and (liquid adi crystal))	USPAT:	2002/07/11
-	10	((((((345/691).ccls.) and (liquid adj crystal)) and puls) and light) and ((liquid adj crystal)	USPAT; US-PGPUB	2002/07/11 11:14

-	10	(US-6407727-\$ r US-6377234-\$ r	USPAT	2002/07/11
		US-5815132-\$ r US-5583530-\$ r		16:10
		US-6061042-\$ r US-5325208-\$ r		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.		
	10	((US-6407727-\$ r US-6377234-\$ r	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	11:32
		US-6061042-\$ or US-5325208-\$ or	33.3.32	11.02
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)		
_	10	(((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	11:32
		US-6061042-\$ or US-5325208-\$ or	30-1 GI GB	11.02
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width)		
	6	((((US-6407727-\$ or US-6377234-\$ or	HEDAT.	2002/07/44
•	•	((((US-5407727-\$ or US-5577234-\$ or US-5815132-\$ or US-5583530-\$ or	USPAT; US-PGPUB	2002/07/11 11:32
		·	U3-PGPUB	11:32
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
	_	and (drive adj pulse)		0000/07/44
-	5	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	11:34
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
	_	and (drive adj pulse)) and light		
•	5	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:02
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and (drive adj pulse)) and light) and		
		modulat\$3		
•	7	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:02
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
	1	and (drive near3 pulse)		
-	0	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:02
		US-6061042-\$ r US-5325208-\$ r		
		US-5519411-\$ r US-6384806-\$ r		
		US-6016133-\$ r US-5293159-\$).did.) and		
		(liquid adj crystal)) and (puls adj width))		
		and (driv n ar3 puls)) and ligh		

				
-	6	(((((US-6407727-\$ or US-6377234-\$ r	USPAT;	2002/07/11
		US-5815132-\$ r US-5583530-\$ or	US-P PUB	12:02
		US-6061042-\$ r US-5325208-\$ or		
		US-5519411-\$ r US-6384806-\$ r		. (1)
		US-6016133-\$ r US-5293159-\$).did.) and		
		(liquid adj crystal)) and (puls adj width))		
		and (drive near3 pulse)) and light		
-	6	(((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:50
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and (drive near3 pulse)) and light) and		
		modulat\$3		
-	o	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:50
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and guest		
-	2	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:52
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and host		
_	3	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:57
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and anisotrop\$2		1 4 1
_	1	((((US-6407727-\$ or US-6377234-\$ or	USPAT;	2002/07/11
		US-5815132-\$ or US-5583530-\$ or	US-PGPUB	12:57
		US-6061042-\$ or US-5325208-\$ or		
		US-5519411-\$ or US-6384806-\$ or		
		US-6016133-\$ or US-5293159-\$).did.) and		
		(liquid adj crystal)) and (pulse adj width))		
		and (dichroic or dye)		
_	0	((345/691).ccls.) and (guest with host)	USPAT;	2002/07/11
_		((345/651)166151) and (34661 101411 11664)	US-PGPUB	13:18
	1684	(guest adj host) same (liquid adj crystal)	USPAT;	2002/07/11
	1004	(anost and most) same (mana and orland)	US-PGPUB	13:19
_	294	((guest adj host) same (liquid adj crystal))	USPAT;	2002/07/11
-	234	and pulse	US-PGPUB	13:19
_	131	((guest adj h st) same (liquid adj rystal))	USPAT;	2002/07/11
_	131	and (pulse with (width r drive))	US-PGPUB	13:19
_	79	(((gu st adj host) same (liquid adj crystal))	USPAT;	2002/07/11
•	"9	and (puls with (width r driv))) and	US-PGPUB	13:20
		m dulat\$3		
	<u> </u>	10 4.47.29 PM Pog 6	<u> </u>	

•	75	((((guest adj h st) sam (liquid adj crystal)) and (puls with (width r driv))) and	USPAT; US-P PUB	2002/07/11 13:20
		modulat\$3) and light		
-	52	((((guest adj h st) sam (liquid adj crystal))	USPAT;	2002/07/11
		and (puls with (width r driv))) and	US-PGPUB	13:21
		m dulat\$3) and (m dulat\$3 with (light r width))		
-	20	(((((guest adj host) same (liquid adj crystal))	USPAT;	2002/07/11
		and (pulse with (width or drive))) and	US-PGPUB	13:26
		modulat\$3) and (modulat\$3 with (light or width))) and anisotrop\$3	:	
-	15	((((((guest adj host) same (liquid adj crystal))	USPAT;	2002/07/12
		and (pulse with (width or drive))) and	US-PGPUB	10:12
		modulat\$3) and (modulat\$3 with (light or		
		width))) and anisotrop\$3) and (dichroic or dye)		
	5962	(liquid adj crystal) same polarizer\$1	USPAT;	2002/07/11
			US-PGPUB	13:37
	600	((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive or width))	US-PGPUB	13:40
_	147	((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))	US-PGPUB	13:40
	133	(((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))) and light	US-PGPUB	13:40
	97	((((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))) and light) and modulat\$3	US-PGPUB	13:41
	50	(((((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))) and light) and modulat\$3) and (drive near3 pulse)	US-PGPUB	13:41
-	49	((((((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))) and light) and	US-PGPUB	13:41
		modulat\$3) and (drive near3 pulse)) and (pulse near3 width)		
_	22	(((((((liquid adj crystal) same polarizer\$1) and	USPAT;	2002/07/11
		(pulse with (drive and width))) and light) and	US-PGPUB	13:42
		modulat\$3) and (drive near3 pulse)) and		
		((pulse near3 width) with modulat\$3)		
-	65719	liquid near2 crystal	USPAT	2002/07/11
				16:12
•	1184	(liquid near2 crystal) and (drive near3 pulse)	USPAT	2002/07/11
				16:11
	219	(liquid near2 crystal) same (drive near3	USPAT	2002/07/11
		pulse)		16:12
-	262443	liquid near2 crystal	USPAT;	2002/07/11
			US-PGPUB;	16:12
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	399	(liquid near2 crystal) sam (driv n ar3	USPAT;	2002/07/11
		puls)	US-PGPUB;	16:12
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

 47	((liquid near2 crystal) same (driv near3	USPAT;	2002/07/11
	puls)) and (modulat\$ sam (puls n ar3 width))	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	16:14
22	(((liquid n ar2 crystal) sam (driv n ar3 pulse)) and (modulat\$ same (pulse near3 width))) and (light with transmi\$6)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/11 17:34
3	((((liquid near2 crystal) same (drive near3 pulse)) and (modulat\$ same (pulse near3 width))) and (light with transmi\$6)) and (clock with (drive adj circuit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/11 17:35